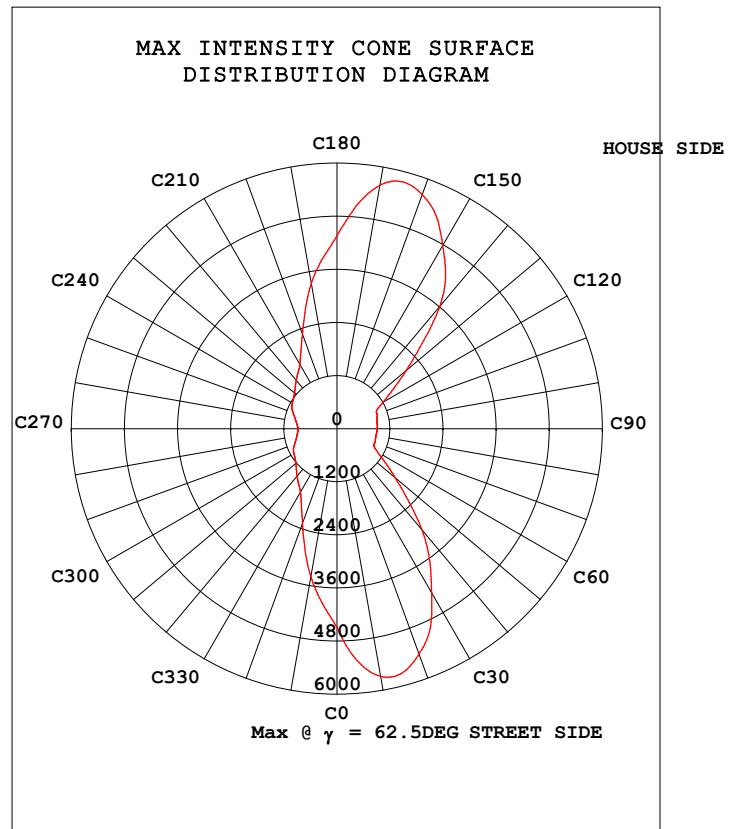
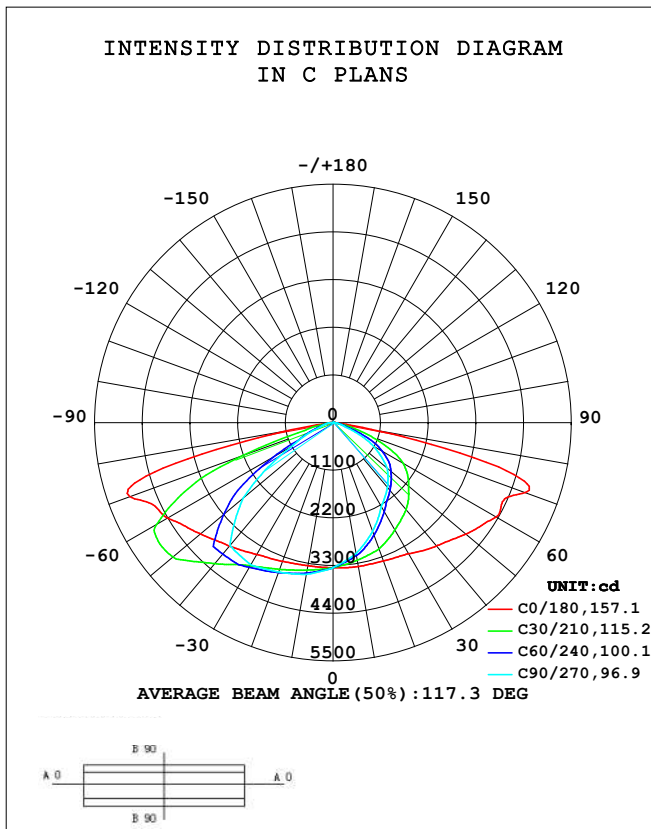


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 160.91 lm/W			
MODEL	LED	Imax (cd)	5773	η street_up (%)	0.0
NOMINAL POWER (W)	80	LOR (%)	100.0	η street_down (%)	50.3
RATED VOLTAGE (V)	220	TOTAL FLUX (lm)	13054	η house_up (%)	0.0
NOMINAL FLUX (lm)	13054.4	MAXIMUM @ (C, γ)	165,62.5	η house_down (%)	49.7
LAMPS INSIDE	1	η up (%)	0.0	76 FLASHAREA (m2)	0.00100
TEST VOLTAGE (V)	220	η down (%)	100.0	SLI	21.220



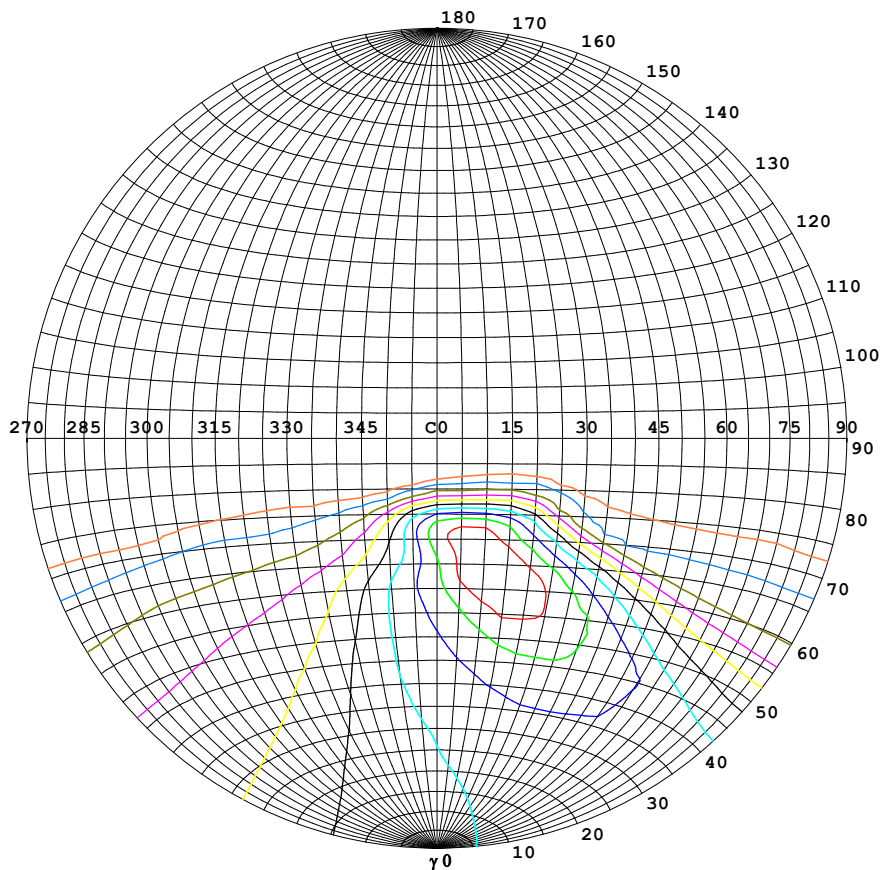
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Note: SLI:Specific Luminaire Index

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



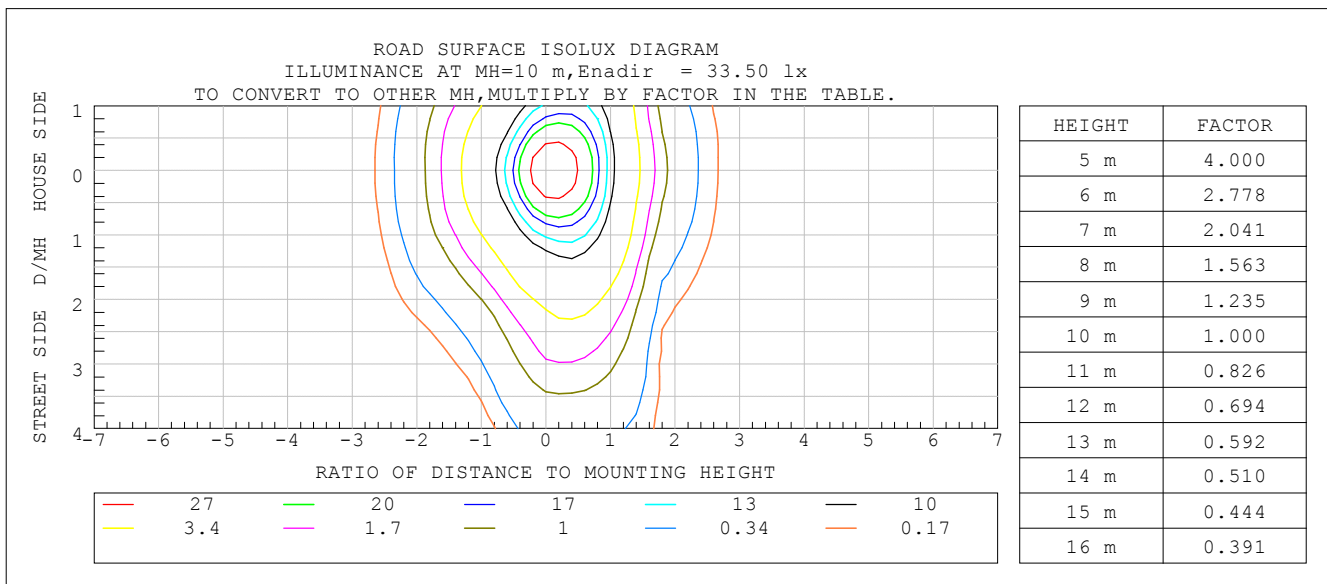
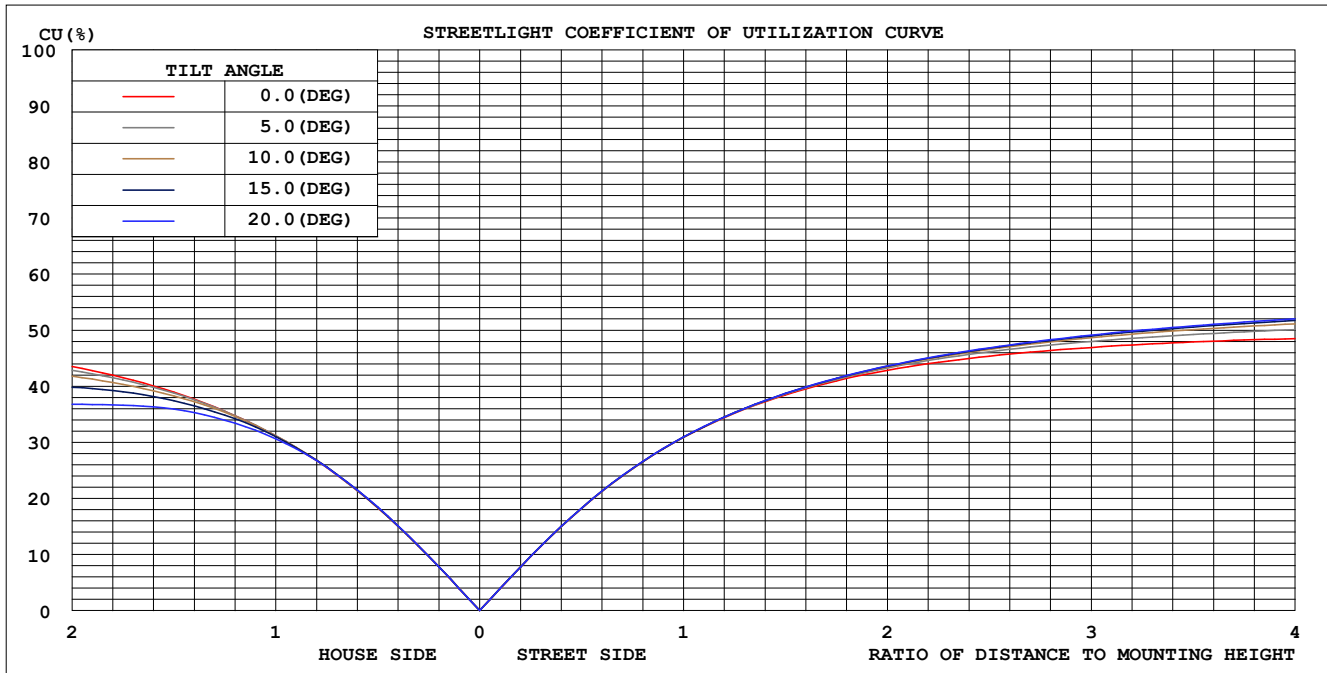
Classification:

IES:Type IV - Short
CIE:Broad - Intermediate
IES:Semi cut-off
CIE:Non-cut-off
Max.At80:114.9cd/klm
Max.At90:3.981cd/klm
Max.80-90:114.9cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	5773
90%	5196
80%	4618
70%	4041
60%	3464
50%	2887
40%	2309
30%	1732
20%	1155
10%	577
5%	289

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

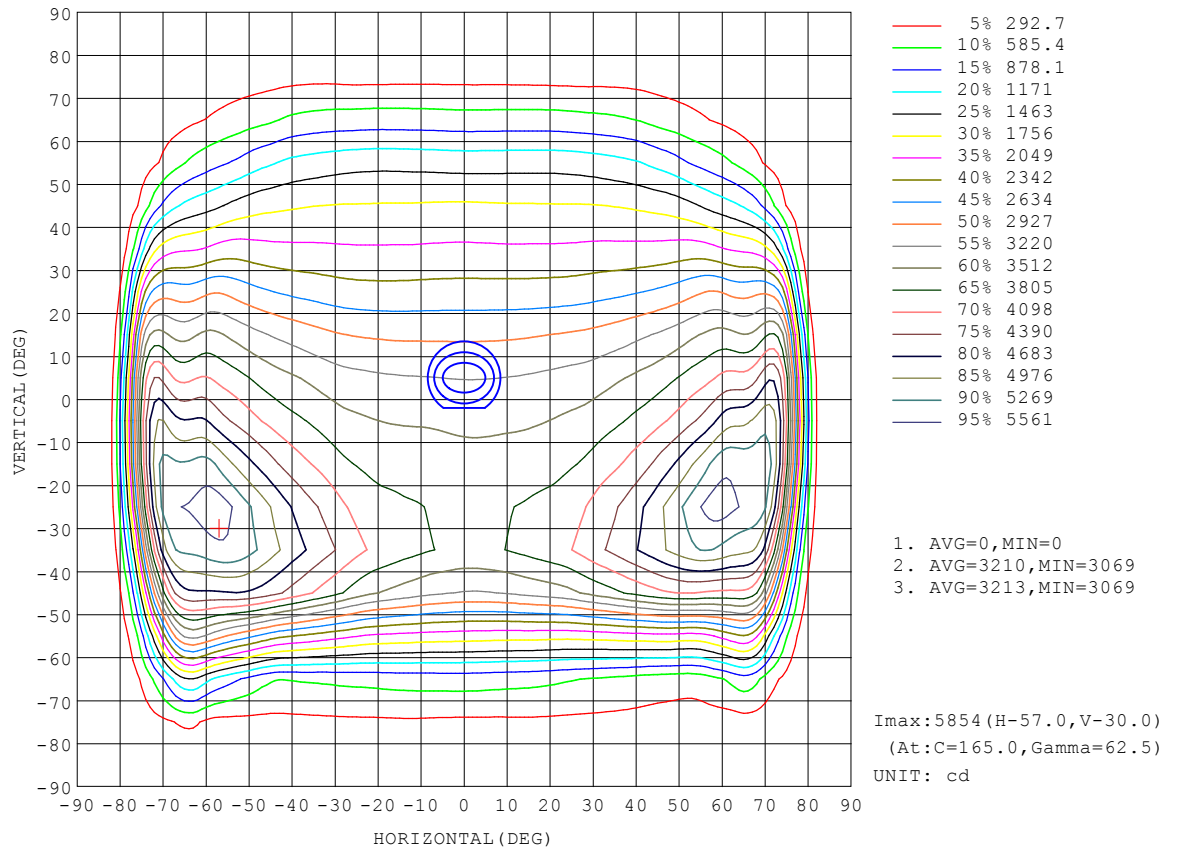
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
5	3348	3420	3453	3433	3361	3256	3210	3250	0- 5	79.94	79.94	0.61,0.61
10	3353	3497	3556	3526	3372	3164	3069	3160	5- 10	238.8	318.8	2.44,2.44
15	3372	3577	3612	3610	3378	3059	2872	3067	10- 15	394.7	713.5	5.47,5.47
20	3408	3653	3668	3675	3397	2900	2676	2923	15- 20	544.5	1258	9.64,9.64
25	3456	3746	3729	3754	3434	2727	2454	2763	20- 25	687.8	1946	14.9,14.9
30	3513	3845	3791	3858	3495	2554	2232	2594	25- 30	823.6	2769	21.2,21.2
35	3613	3992	3747	4029	3607	2382	2094	2416	30- 35	955.2	3725	28.5,28.5
40	3721	4179	3704	4243	3717	2209	1956	2236	35- 40	1084	4808	36.8,36.8
45	3840	4290	3201	4395	3838	2079	1796	2099	40- 45	1197	6006	46,46
50	3996	4334	2699	4495	4001	1924	1635	1933	45- 50	1275	7281	55.8,55.8
55	4169	3715	1902	4075	4161	1739	1352	1735	50- 55	1308	8588	65.8,65.8
60	4406	2948	1106	3484	4354	1511	1070	1492	55- 60	1268	9857	75.5,75.5
65	4542	1528	721.8	1888	4317	1155	697.7	1099	60- 65	1139	10996	84.2,84.2
70	4996	538.5	337.8	729.0	4723	747.3	325.9	678.2	65- 70	922.7	11919	91.3,91.3
75	4060	291.7	240.1	335.9	3956	333.7	198.8	292.9	70- 75	692.5	12611	96.6,96.6
80	975.8	178.5	142.4	199.2	895.5	160.8	71.77	138.4	75- 80	351.2	12962	99.3,99.3
85	89.28	50.51	0	57.46	69.55	33.00	0	27.73	80- 85	81.97	13044	99.9,99.9
90	51.97	0	0	0	45.08	0	0	0	85- 90	10.08	13054	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd								UNIT:lm			

C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

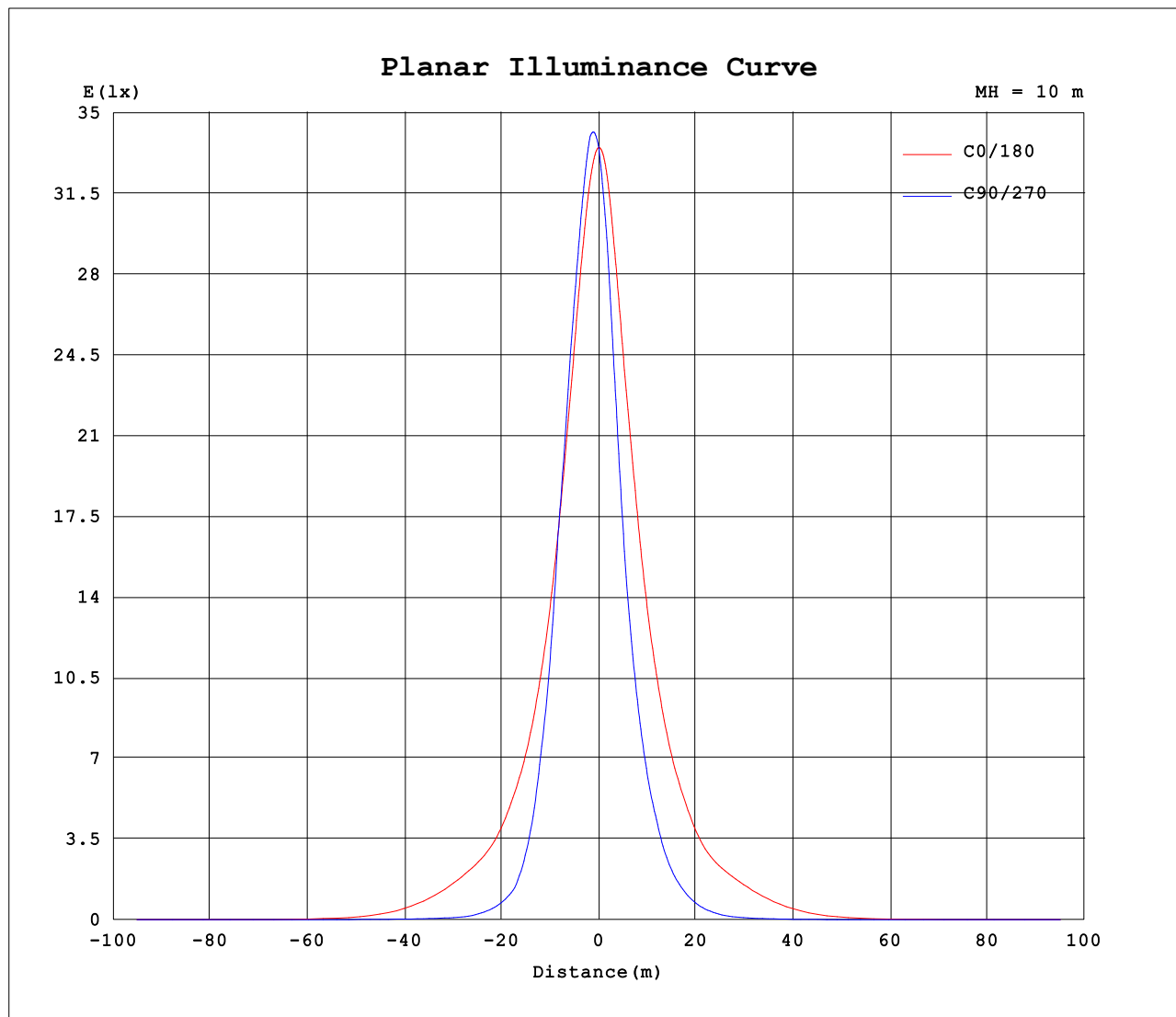
Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

Planar Illuminance Curve



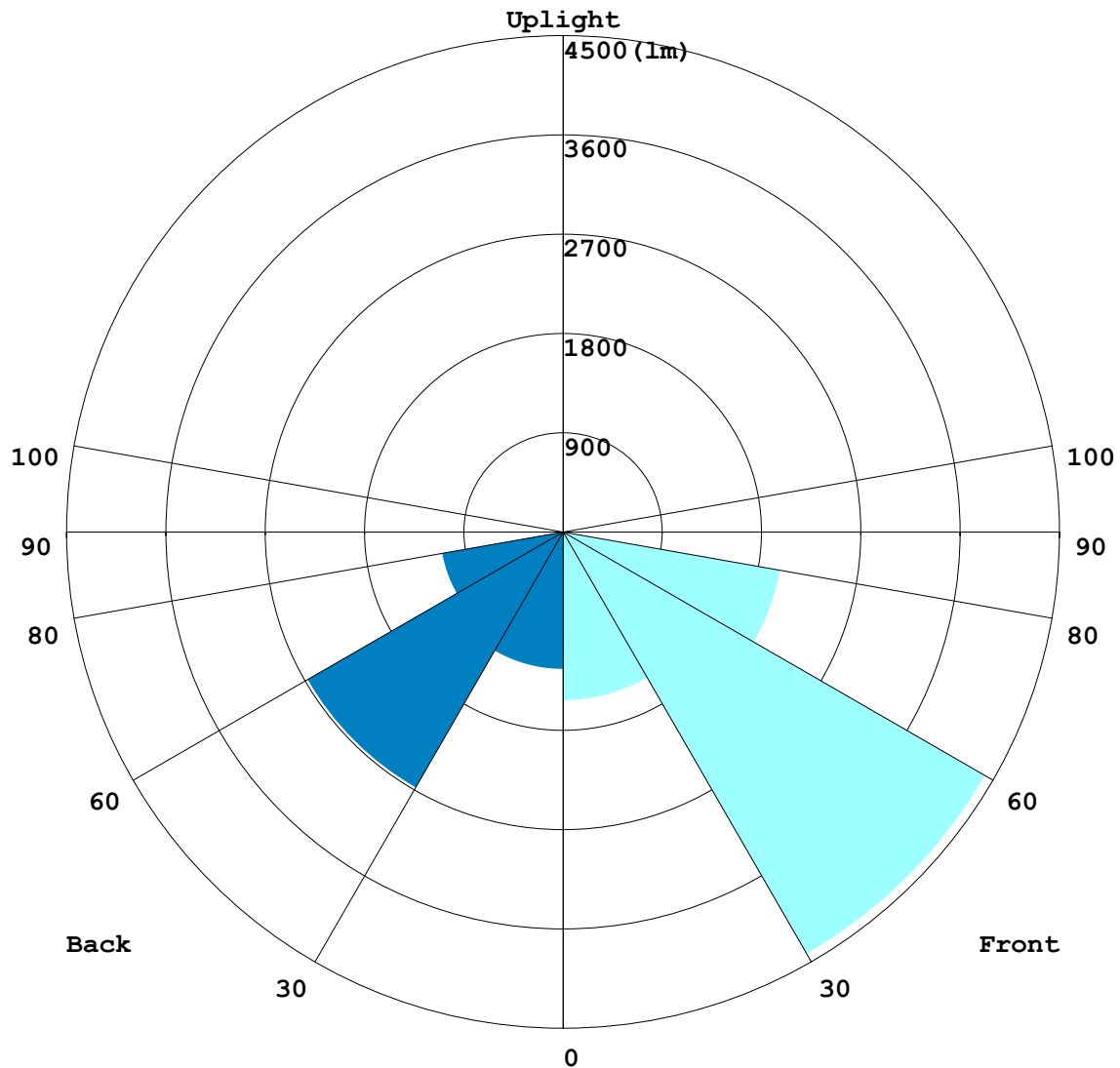
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity: 65.0%
Test Distance: 7.370m [K=1.0000]
Remarks:

LCS REPORT

Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

BUG REPORT

Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1526.6	11.7
FM - Front-Medium(30-60)	4414.4	33.8
FH - Front-High(60-80)	1994.4	15.3
FVH - Front-Very High(80-90)	64.218	0.5
Total Forward Light	7999.6	61.3

BL - Back-Low(0-30)	1242.7	9.5
BM - Back-Medium(30-60)	2673.3	20.5
BH - Back-High(60-80)	1111	8.5
BVH - Back-Very High(80-90)	27.824	0.2
Total Back Light	5054.9	38.7

UL - Uplight-Low(90-100)	0	0.0
UH - Uplight-High(100-180)	0	0.0
Total Up Light	0	0.0

BUG(Back,Up,Glare) Rating	B3-U0-G3
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	5054.9	0	5054.9
Street Side	7999.6	0	7999.6

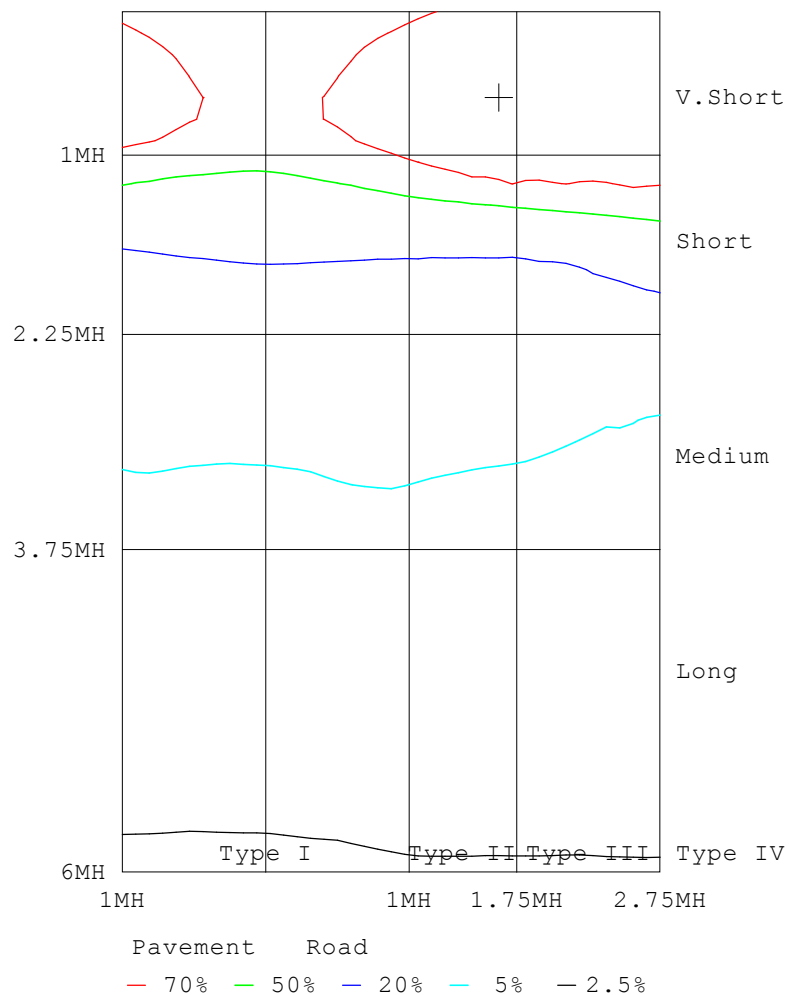
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

ROAD ISOCANDELA REPORT

Test:U:220.8V I:0.3766A P:81.13W PF:0.9754 Lamp Flux:13054.4x1 lm		
NAME: OPCITYIII-80W-4070-6C1T2-068	TYPE:LED	WEIGHT:
SPEC.:	DIM.: 0.46X0.236X0.04	SERIAL No.:1
MFR.: LUXSUN	SUR.:0.17X0.17	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2022-08-26

γ Range: 0 - 90DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```

```

γ Range: 0 - 90DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.351
Humidity:65.0%
Test Distance:7.370m [K=1.0000]
Remarks:

```